

CLAIM LISTING

1-5. (Canceled)

6. (Currently Amended) A system for processing price data corresponding to a sequence of time for a selected interval, said system comprising:

a database communicatively coupled to a data processor and a pattern recognition processor, wherein:

said database comprising means for storing said price data in system addressable format, wherein said price data is organized for processing into a non-linear relationship;

said a data processor responsive to price data stored in said database and comprising means for ~~capable of~~ generating said non-linear relationship having a smooth, curvilinear characteristic for a range of data within said interval;

said a pattern recognition processor comprising means for applying said smoothed non-linear relationship to discern the existence of one or more patterns of price-time data and generating a results output based on a recognition of said one or more patterns, if any; and said pattern recognition processor further comprising means for ~~programming to detecting~~ one or more broadening tops and broadening bottoms.

7. (Currently Amended) A system for processing price data corresponding to a sequence of time for a selected interval, said system comprising:

a database communicatively coupled to a data processor and a pattern recognition processor, wherein:

said database comprising means for storing said price data in system addressable format, wherein said price data is organized for processing into a non-linear relationship;

said a data processor responsive to price data stored in said database and comprising means for ~~capable of~~ generating said non-linear relationship having a smooth, curvilinear characteristic for a range of data within said interval;

said a pattern recognition processor comprising means for applying said smoothed non-linear relationship to discern the existence of one or more patterns of price-time data and generating a results output based on a recognition of said one or more patterns, if any; and said pattern recognition processor further comprising means for ~~programming to detecting~~ one or more head and shoulders patterns.

8. (Currently Amended) A system for processing price data corresponding to a sequence of time for a selected interval, said system comprising:

a database communicatively coupled to a data processor and a pattern recognition processor, wherein:

said database comprising means for storing said price data in system addressable format, wherein said price data is organized for processing into a non-linear relationship;

said data processor responsive to price data stored in said database and comprising means for ~~capable of~~ generating said non-linear relationship having a smooth, curvilinear characteristic for a range of data within said interval;

said pattern recognition processor comprising means for applying said smoothed non-linear relationship to discern the existence of one or more patterns of price-time data and generating a results output based on a recognition of said one or more patterns, if any; and said pattern recognition processor further comprising means for ~~programming to detecting~~ one or more triangle tops and triangle bottoms.

9. (Currently Amended) A system for processing price data corresponding to a sequence of time for a selected interval, said system comprising:

a database communicatively coupled to a data processor and a pattern recognition processor, wherein:

said database comprising means for storing said price data in system addressable format, wherein said price data is organized for processing into a non-linear relationship;

said data processor responsive to price data stored in said database and comprising means for ~~capable of~~ generating said non-linear relationship having a smooth, curvilinear characteristic for a range of data within said interval;

said pattern recognition processor comprising means for applying said smoothed non-linear relationship to discern the existence of one or more patterns of price-time data and generating a results output based on a recognition of said one or more patterns, if any; and said pattern recognition processor further comprising means for ~~programming to detecting~~ one or more rectangle tops and rectangle bottoms.

10. (Currently Amended) A system for processing price data corresponding to a sequence of time for a selected interval, said system comprising:

a database communicatively coupled to a data processor and a pattern recognition processor, wherein:

said database comprising means for storing said price data in system addressable format, wherein said price data is organized for processing into a non-linear relationship;

said data processor responsive to price data stored in said database and comprising means for ~~capable~~ of generating said non-linear relationship having a smooth, curvilinear characteristic for a range of data within said interval;

said pattern recognition processor comprising means for applying said smoothed non-linear relationship to discern the existence of one or more patterns of price-time data and generating a results output based on a recognition of said one or more patterns, if any; and said pattern recognition processor further comprising means for ~~programming to detecting~~ one or more double tops and double bottoms.

11-14. (Canceled)